

# P-FU 5X20 LED 24-EX - Fuse plug

3036821

<https://www.phoenixcontact.com/us/products/3036821>

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Fuse plug, nom. voltage: 24 V, nominal current: 6.3 A, fuse type: G / 5 x 20, color: black



## Your advantages

- Large-surface labeling option
- Versions with bipolar error display
- Test contacts on both sides of the fuse
- Can be used for overload/short-circuit protection

## Commercial data

Item number	3036821
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE29
Product key	BE2Z3X
GTIN	4046356919227
Weight per piece (including packing)	4.225 g
Weight per piece (excluding packing)	4.14 g
Customs tariff number	85369095
Country of origin	PL

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## Technical data

### Notes

Notes on operation	Prior to replacing the cartridge fuse, disconnect the fuse connector from the basic terminal block.
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### Product properties

Product type	Fuse
Potentials	1

### Insulation characteristics

Degree of pollution	3
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### Electrical properties

Fuse	G / 5 x 20
LED voltage range	12 V DC ... 30 V DC
LED current range	0.31 mA ... 0.95 mA

### Input data

LED voltage range	12 V DC ... 30 V DC
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### Connection data

Nominal current	6.3 A (the current is determined by the fuse used)
Maximum load current	6.3 A (the current is determined by the fuse used)
Nominal voltage	24 V (The voltage is determined by the fuse or selected LED display)

### Dimensions

Width	6.2 mm
Height	28 mm
Depth	25 mm
Length	28 mm

### Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material	PA
Static insulating material application in cold	-60 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed

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Smoke gas toxicity NFPA 130 (SMP 800C)	passed
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

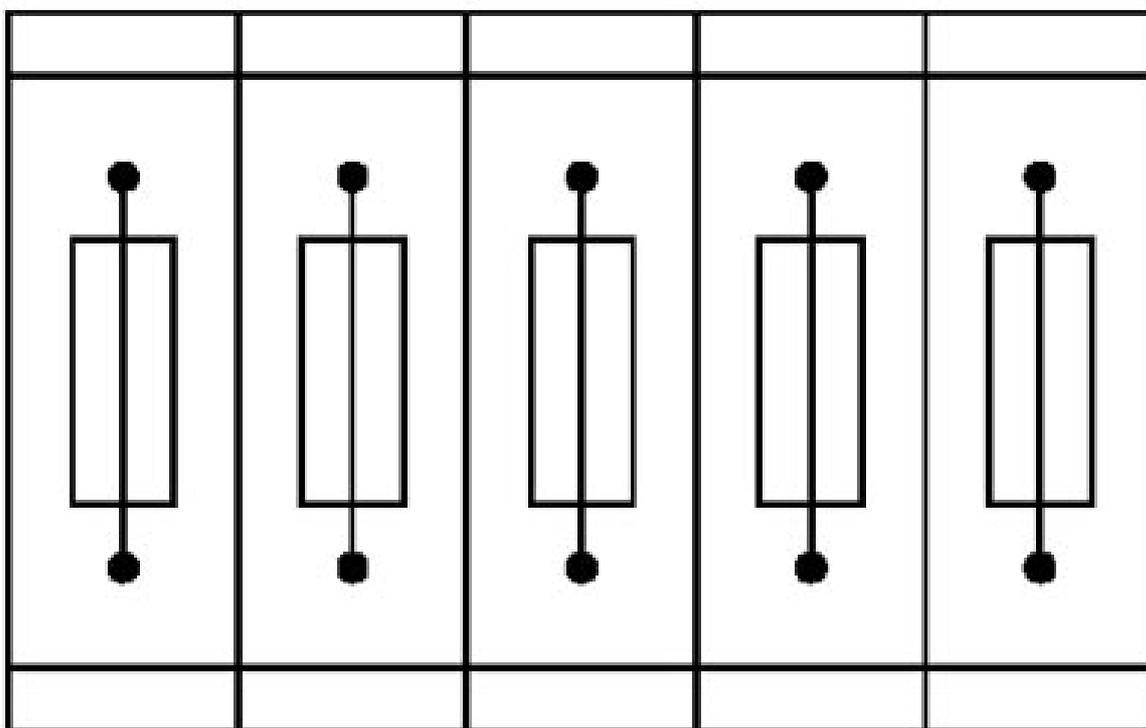
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## Drawings

### Application drawing



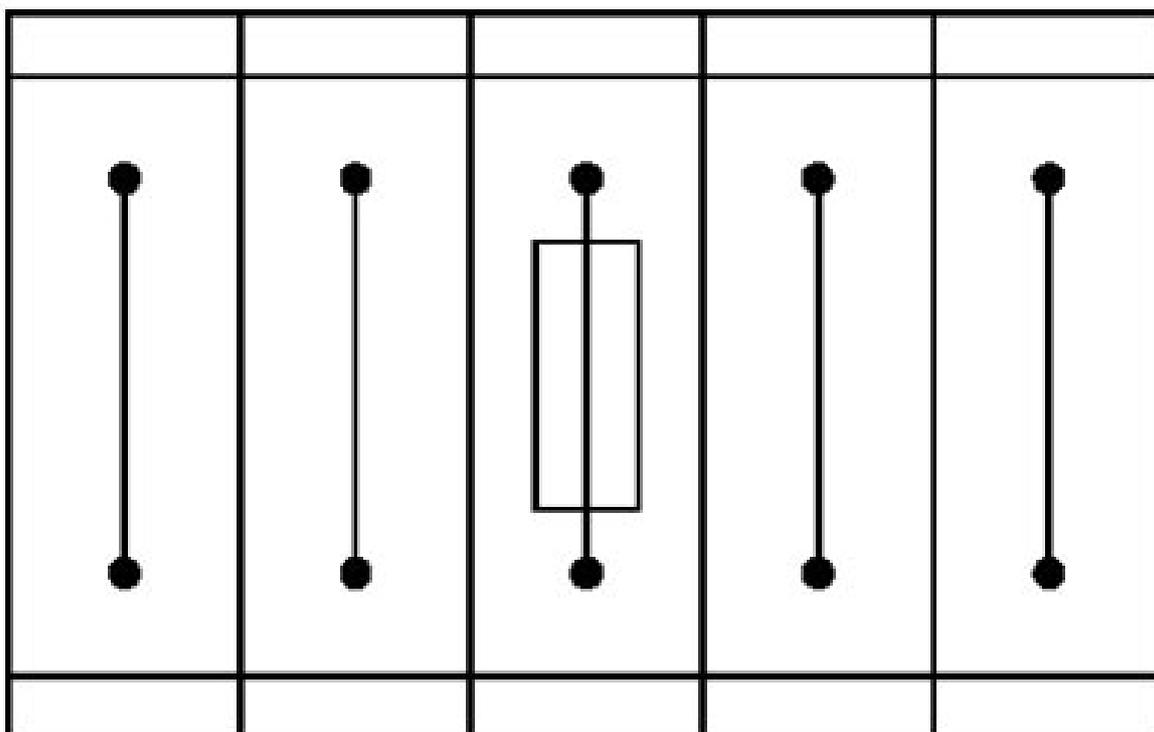
Fuse terminal blocks in interconnected arrangement,  
block consisting of 5 fuse terminal blocks

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Application drawing



Fuse terminal block in single arrangement,  
block consisting of one fuse terminal block and 4 feed-through terminal blocks

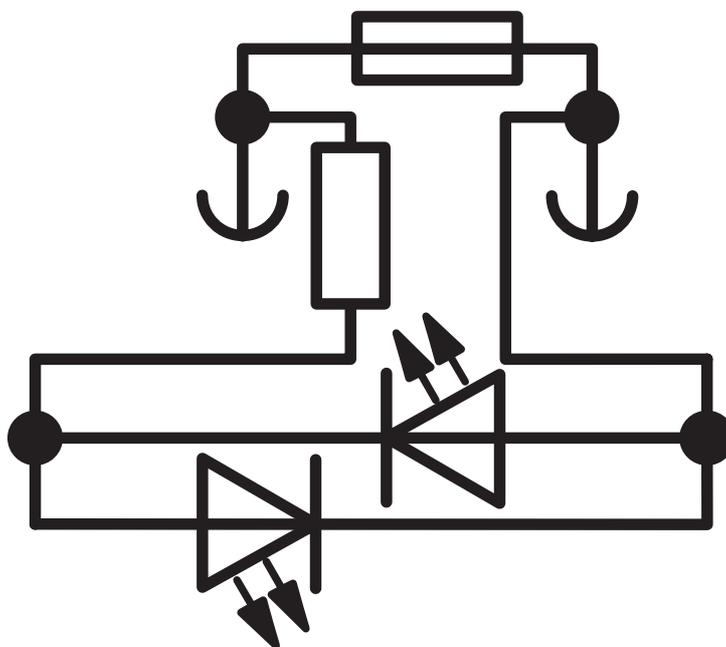
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Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3036821>

 <b>CSA</b> Approval ID: 2030668				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	300 V	10 A	-	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00714
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 <b>cUL Recognized</b> Approval ID: E192998
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 <b>EAC Ex</b> Approval ID: RU C-DE.Ax07.B.03227
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 <b>UL Recognized</b> Approval ID: E192998
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 <b>CCC</b> Approval ID: 2020322313000632
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 <b>UKCA-EX</b> Approval ID: UL22UKEX2452U
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 <b>EAC Ex</b> Approval ID: KZ 7500525010101950
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## Classifications

### ECLASS

ECLASS-13.0	27250305
ECLASS-15.0	27250305

### ETIM

ETIM 9.0	EC002018
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### UNSPSC

UNSPSC 21.0	39121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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